



DEPARTMENT OF THE AIR FORCE
PACIFIC AIR FORCES

January 25, 2007

MEMORANDUM FOR ALASKA DEPT OF ENVIRONMENTAL CONSERVATION
ATTENTION: MR. LOUIS HOWARD

FROM: 3 CES/CEVR
6326 Arctic Warrior Drive
Elmendorf AFB AK 99506-3240

SUBJECT: 2006 DP98 Annual Monitoring Report

1. This letter serves as the annual monitoring report on the status of land use controls (LUCs) at DP98 as required by Section 12.2.3.4 of the DP98 Record of Decision (ROD), dated 17 Jun 04. The specific LUCs at DP98 are as follows:

a. Excavating, digging, or drilling is restricted to reduce the possibility of migration or exposure to contaminants that exceed chemical-specific applicable or relevant and appropriate requirements (ARARs). If contaminated soil that exceeds chemical-specific ARARs is excavated, it cannot be transported to or disposed of at another location on base. Excavated soil will be transported to a disposal facility in the lower 48 states, which is acceptable for disposal of Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) waste. No dewatering of excavations or trenches will be allowed unless contaminated water is treated prior to use or disposal. Any excavations or drilling greater than ten feet below ground surface will require engineering controls to prevent downward migration of contamination and to protect the groundwater aquifer.

b. The use of contaminated groundwater throughout DP98 for any purpose including, but not limited to, drinking, irrigation, fire control, dust control or any other activity, is prohibited.

c. The current land use will be maintained to reduce the possibility of exposure to contaminants.

2. The specific LUCs identified above, the current land uses and allowed uses of the site, and the geographic LUC boundaries are found in the Base General Plan.

3. The Air Force conducts periodic monitoring by completing site inspections at DP98 to ensure that all LUC objectives are being met. Separate controls are in place and enforced by the Air Force to prevent inappropriate soil and groundwater exposure at DP98. The Air Force currently requires all projects resulting in soil disturbance of greater than four inches below ground surface to follow 3rd Wing Instruction 32-1007, dated 17 Aug 06. This instruction requires the proponent to obtain an approved Base Civil Engineer Work Clearance Request (3 WG Form 3). In years when the Environmental Flight (3 CES/CEV) receives these requests for DP98, Environmental Restoration (3 CES/CEVR) conducts the required annual monitoring during the work clearance review process by completing site inspections. In 2006, 3 CES/CEVR reviewed

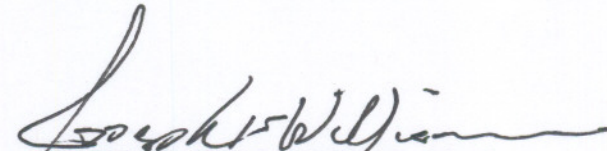
one work clearance requests and conducted one site inspection. Following is a brief description of this year's monitoring:

a. On 18 July 06 a site inspections was conducted by 3 CES/CEVR personnel in conjunction with a work clearance request to install underground power lines between buildings 18220 and 18224. It was determined that the proposed work complied with the requirements of the ROD.

b. On 13 October 06 a site was conducted by 3 CES/CEVR personnel during a routine site visit. There was no appearance of unauthorized activities and the components of the remedy were in good condition.

4. Site inspections and site visits were conducted using a standard 3 CES/CEVR Site Inspection worksheet as shown in the attachment. Each inspection indicated that activities in the DP98 area are consistent with LUC requirements, objectives or controls, and that the activities have not interfered with the effectiveness of the LUCs. No deficiencies in LUCs were identified during the 2006 calendar year. No corrective actions are required, and the LUCs remain protective of human health and the environment.

5. If you require additional information, or if you have any comments or questions, please call the Remedial Project Manager, Mr. Glen Verplancke, at (907) 552-7229.



JOSEPH F. WILLIAMSON, GS-13
Chief, Environmental Restoration

Attachment:
3 CES/CEVR Site Inspection form

**Base Civil Engineer Work Clearance Request
Site Inspection**

Project Name/Number: DP-98 Annual Inspection

Location: DP-98

Part A – Inspection Log (To be completed even if no excavation has occurred.)¹

<u>Date:</u> 10/13/06	<u>Date:</u>	<u>Date:</u>
<u>Inspector:</u> <i>[Signature]</i>	<u>Inspector:</u>	<u>Inspector:</u>
<u>Comments:</u> All wells were intact and properly marked, everything looked good.		

¹ Monitoring wells and treatment systems should be flagged or marked as appropriate.

Part B – Inspection Checklist ²

<u>Inspector:</u>	<u>Date:</u>	Yes ³	No ³
• Is the work being conducted in accordance with project description in the dig permit?			
○ Does the depth of the excavation correspond with the depths outlined in the Work Clearance Request?			
○ Has dirt or other material been placed on top of monitoring wells/treatment systems.			
○ Has groundwater been encountered during excavation? If so, explain if the excavation was dewatered, how it was dewatered, and how contaminated groundwater (if any) was handled			
○ Is there evidence of buried debris or contamination soil associated with the excavation?			
• Is the work being completed in accordance with the conditions/restrictions outlined in Environmental Restoration review of the Work Clearance Request?			
• Were any soil borings/wells installed as part of the approved activity?			
○ Were any wells/soil borings installed in known contaminated areas or in a contaminated groundwater plume? If so, how was the soil from the borings or groundwater from wells handled?			
○ Has drilling occurred that goes through the shallow aquifer into the confined aquifer without 3 CES/CEVR review of engineering controls to prevent cross contamination?			
○ Have the soil borings/wells been properly abandoned?			

